## **CLAIMS**

We claim:

1. A method for manufacturing a device, the method comprising: providing a first substrate and a second substrate;

forming a compliant element of a compliant first material on said first substrate, said compliant element comprising an end surface and a side surface adjacent said end surface;

coating at least a portion of said side surface with a layer of a second material;

pressing said second substrate against said end surface of said compliant

element, said pressing including deforming said compliant element; and

bonding said substrates together.

- 2. The method of claim 1, wherein said first material comprises a polymer.
- 3. The method of claim 1, wherein said first material comprises a polyimide.
- 4. The method of claim 1, wherein said coating comprises selecting as said second material a material that provides said compliant element with a greater electrical conductivity than said first material alone.

- 5. The method of claim 1, wherein said coating comprises selecting as said second material a material that provides said compliant element with a greater hermeticity than said first material alone.
- 6. The method of claim 1, wherein said coating is performed after said pressing.
- 7. The method of claim 1, wherein said coating is performed prior to said pressing.
- 8. The method of claim 1, wherein said second material is less compliant than said first material.
- 9. The method of claim 1, wherein said bonding comprises bonding said second substrate to said compliant element.
- 10. The method of claim 1, further comprising forming a non-compliant spacer on one of said substrates, wherein said pressing comprises pressing said first and second substrates closer together until one of said substrates contacts said spacer.

11. A method for manufacturing a device, the method comprising: providing a first substrate and a second substrate;

forming a compliant element on said first substrate;

pressing said first substrate and said second substrate together, said pressing including deforming said compliant element;

bonding said substrates together; and

coating at least a portion of said compliant element with a material that increases the hermeticity thereof.

- 12. The method of claim 11, wherein said compliant element comprises a polymer.
- 13. The method of claim 11, wherein said compliant element comprises a polyimide.
- 14. The method of claim 11, wherein said coating is performed after said pressing.
- 15. The method of claim 11, wherein said coating is performed prior to said pressing.
- 16. The method of claim 11, wherein said bonding comprises bonding said second substrate to said compliant element.

- 17. A device, comprising:
- a first substrate;
- a second substrate; and

a compliant element of a first, compliant material between said first substrate and said second substrate, said compliant element comprising a side surface coated at least in part with a layer of a second material, said compliant element exhibiting deformation consistent with said first substrate and a second side having been pressed together.

- 18. The device of claim 17, wherein said first material comprises a polymer.
- 19. The device of claim 17, wherein said first material comprises a polyimide.
- 20. The device of claim 17, wherein said layer of said second material provides said compliant element with greater electrical conductivity than said first material alone.
- 21. The device of claim 17, wherein said layer of said second material provides said compliant element with a greater hermeticity than said first material alone.
- 22. The device of claim 17, further comprising a non-compliant spacer pressed between said first and second substrates.

- 23. A device, comprising:
- a first substrate;
- a second substrate; and
- a compliant element between said first substrate and said second substrate, said compliant gasket coated with a hermeticity-increasing layer and exhibiting deformation consistent with said first substrate and said second substrate having been pressed together.
- 24. The device of claim 23, wherein said compliant gasket comprises polyimide.